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APPLICATION NO.	FILING	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/044,538	10/044,538 01/10/2002		Abraham J. Domb	PG 100	9167	
23579	7590	10/21/2003		EXAMI	EXAMINER	
PATREA I		7 D	KRISHNAN, GANAPATHY			
HOLLAND & KNIGHT LLP SUITE 2000, ONE ATLANTIC CENTER 1201 WEST PEACHTREE STREET, N.E. ATLANTA, GA 30309-3400				ART UNIT	PAPER NUMBER	
				1623		
				DATE MAILED: 10/21/2003	\mathcal{S}	

Please find below and/or attached an Office communication concerning this application or proceeding.

4	Application No.	Applicant(s)					
<i>•</i>	10/044,538	DOMB, ABRAHAM J.					
Office Action Summary	Examiner	Art Unit					
	Ganapathy Krishnan	1623					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM							
THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Responsive to communication(s) filed on	٠.,						
,— · · _	is action is non-final.						
3) Since this application is in condition for allowa	ance except for formal matters, pr	osecution as to the merits is					
closed in accordance with the practice under a Disposition of Claims	Ex parte Quayle, 1935 C.D. 11, 4	.53 O.G. 213.					
4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>1-7,9-11 and 13-22</u> is/are allowed.							
6)⊠ Claim(s) <u>8, 10, 12, 23 and 24</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action. 12) ☐ The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
•	nriority under 35 H.S.C. & 119/a	_(d) or (f)					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents	s have been received						
Certified copies of the priority documents Certified copies of the priority documents		on No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domesti 	* *						
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal F	r (PTO-413) Paper No(s) Patent Application (PTO-152)					

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DETAILED ACTION

Claim Objections

Claim 20 is objected to because of the following informalities: Claim 20 recites "according to claims 1 and 2" This should be changed to "according to claims 1 or 2".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

The rejections of claims 1, 2, 5 advanced in the previous office action have been overcome by amendment. The following new rejections are made of record.

Claims 8, 10, 12, 23 and 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 8 recites the structural formula for an oligoamine. The formula has an R inside a circle. This has not been defined by the claim and it is unclear what it means. The claim also recites x+y+z+. It appears that another term is missing after the plus sign on the right. If not, the plus sign after the z should be removed.

Claim 10 recites, "modified spermine". In the absence of the specific moieties intended to effectuate modification by "substitution" or attachment to the chemical core claimed, the term "substituted" renders the claims in which it appears indefinite in all occurrences wherein applicant fails to articulate by chemical name, structural formula or sufficiently distinct

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functional language, the particular moieties applicant regards as those which facilitate substitution, requisite to identifying the composition of matter claimed.

Claim 12 recites, "cholesterols". It is not clear what this plural recitation means. If derivatives of a plurality of cholesterols are intended, the chemical name(s) or structure(s) should be recited.

Claims 23 and 24 are seen to be duplicates of claim 1. Both claims recited intended use of the composition of claim 1. Either these claims should be amended to recite limitations that narrow the scope further or should be cancelled.

Conclusion

1. 1-7, 9, 10, 11 and 13-22 drawn to polycation compositions comprising a polysaccharide chain, the said polysaccharide chain having from 2 to 2000 saccharide units and oligoamine and hydrophobic or amphiphilic groups covalently grafted to it; wherein the hydrophobic or amphiphilic group is complexed with an anionic macromolecule selected from the group consisting of polynucleic acids, proteins and polysaccharides that are anionic; wherein the plysaccharide chain is selected from the group consisting of dextrans, arabinogalactan, pullulan, cellulose, cellobiose, inulin, chitosan, alginates and hyaluronic acid; wherein the amphiphilic residue is selected from fatty chains, phospholipids, cholesterols, ethylene glycol oligomers, propylene glycol and mixtures thereof is neither taught or fairly suggested by the prior art of record.

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2. Claims 8, 10, 12, 23 and 24 are rejected but would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ganapathy Krishnan whose telephone number is 703-305-4837. The examiner can normally be reached on 8.30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 703-308-4624. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1235.

GK

JAMES O. WILSON

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600